

STEREO MOC Status Report  
Time Period: 2011:115 - 2011:121

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 119, during the DSS 34 support, turbo decoder lock was lost intermittently beginning at 1934z through 120-0102z. This resulted in the loss of 14 frames of instrument SSR data. See DR# N107295 for more information.
- On day 120, during the DSS 25 support, the transmitter tripped off-line at 1514z. To avoid additional SSR data loss, the remainder of the track was downlink only. This anomaly resulted in the loss of several minutes of SSR data for all instruments. See DR# G111420 for more information.
- On day 121, during the DSS 26 support, turbo decoder lock was lost intermittently beginning at 1326z through 1331z. This resulted in the loss of 108 frames of instrument SSR data. See DR# N107296 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 117, the playback of SECCHI SSR2, special event partition #20, was enabled at 1430z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 119-1911z.
- On day 118, the AHEAD S/C reached perihelion in its orbit.
- The average daily SSR playback volume for Ahead was 5.3 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 118, during the DSS 15 support, initial telemetry lock at BOT was delayed 46 minutes due to a disk failure on

a data server at Goldstone. After the redundant data server was placed on-line, telemetry lock occurred at 0046z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# G111406 for more information.

- On day 119, during the DSS 15 support, turbo decoder lock was lost briefly beginning at 0432z. This resulted in the loss of seven frames of instrument SSR data.
- On day 119, during the DSS 65 support, telemetry lock was interrupted at 1954z due to an uplink transfer between the simultaneous return to service track with DSS 63. This anomaly resulted in the loss of several minutes of instrument SSR data.
- On day 120, during the DSS 55 support, turbo decoder lock was lost intermittently beginning at 1840z through 1842z. This resulted in the loss of several minutes of instrument SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 117, the playback of SECCHI SSR2, special event partition #20, was enabled at 1904z.
- On day 119, the BEHIND S/C reached perihelion in its orbit.
- The average daily SSR playback volume for Behind was 5.4 Gbits during this week.